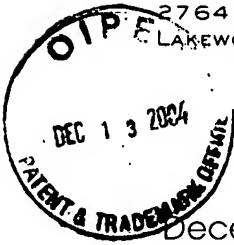


THE LAW OFFICE OF

STEPHEN A. GRATTON

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December 10, 2004

Sue Jerome
Patent Assistant
MICRON TECHNOLOGY, INC..
Legal Department M/S 525
8000 South Federal Way
PO Box 6
Boise, ID 83706

Re: Serial Number 10/023,049
SEMICONDUCTOR PACKAGE HAVING SUBSTRATE WITH MULTI-LAYER
METAL BUMPS
Docket No. 00-1117

Dear Sue:

Enclosed is an Office Action dated 9/10/2004 from the Patent Office in the above application. Also enclosed is an Amendment filed in response to the Office Action.

Very truly yours:

A handwritten signature in cursive script, appearing to read "SAG".

Stephen A. Gratton

SAG/rg
Enclosures



2827
QAn

PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/023,049
	Filing Date	12/20/2001
	First Named Inventor	VICTOR TAN CHER 'KHNG
	Art Unit	2827
	Examiner Name	GRAYBILL, DAVID
Total Number of Pages In This Submission	Attorney Docket Number	2827

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Return receipt postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Remarks Enclosed for filing is an Amendment in response to the Office Action dated 9/10/2004 having a statutory period for response set to expire on 12/10/2004.	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	THE LAW OFFICE OF STEPHEN A. GRATTON		
Signature			
Printed name	Stephen A. Gratton		
Date	December 10, 2004	Reg. No.	28,418

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Stephen A. Gratton	Date	12/10/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

VICTOR TAN CHER 'KHNG
LEE KIAN CHAI

Serial No. 10/023,049

Art Unit: 2827

Filing Date: 12/20/2001

Examiner: Graybill, David

For: Semiconductor Package Having
Substrate With Multi-Layer
Metal Bumps

Attorney Docket No. 00-1117

AMENDMENT

December 10, 2004

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the Office Action dated 09/10/2004, having a statutory period for response set to expire on 12/10/2004. Please amend the case as follows.